



All in one speaker system with mic system

Product highlights:

- Can be added to any existing sound system
- Provides excellent vocal quality
- Connectivity in excess of 15m radius
- Includes IR Mic System with receiver and microphone
- Easy to install and connect

Features:

- Created to meet Australian standards to allow students with hearing impairments to hear announcements over school PA systems
- A true all-in-one integrated speaker system specifically designed to work with your HDi series of products
- Simply connect the provided speaker cables, turn the power on and plug in your chosen devices through the convenient integrated speaker system panel and you are done
- The panel provides all of the connections you will ever need, including:
 - Two volume controls (master and microphone)
 - Access to MP3, USB, HDMI, VGA and a microphone jack
 - An in-built audio codec that will take the audio signal from your PC to the USB cable
 - An in-built amplifier
 - A mute button
- The system also comes with two streamlined 25W speakers tuned for voice reproduction
- Outputs from the panel include: USB, HDMI, Variable Line OUT and VGA
- Easy to install with step-by-step instructions
- HDi Hearing Augmentation Solutions can be added to any existing sound system whether in a classroom, conference room or banquet room
- No messy cables and you have the freedom to move around the room
- Excellent vocal quality and reliable connectivity in excess of 15 meter radius to a central ceiling sensor
- Includes IR Mic System with IR receiver and hearing augmentation microphone



REQUIRES



INSTALLATION

General

Frequency response	20Hz ~ 20KHz
SNR	80 dB
Power output	2x25W (8 Ohms) @ THD = 10%
Power supply	DC 24V
Case dimension	121mm (W) x 79mm (D) x 432mm (H)
Record out	50 Ω
Mic/line in	>10K Ω
70V/100V SP IN	1 x Phoenix
Stereo channel separation	60 dB
CMRR	>70dB @ 20Hz ~ 20KHz
THD + noise	$\leq$ 3%
Power consumption	6W
Product weight	0.5Kg
Output	3.5 Line
Input	3.5 Line
Carrier reception	Infrared
Reception system	Heterodyne
Reception frequencies	CH A:2.08MHz / CH B:2.54MHz
Warranty	12 month back to base

Audio Input

MP3	1 x Stereo audio 3.5mm jack
MIC	1 x 6.5mm jack
AUX	1 x Stereo audio 3.5mm jack
Input impedance	>10K Ω

Audio Output

Speaker	1 x Phoenix connector
Variable line out	1 x Stereo audio 3.5mm jack
Output impedance	50 Ω / stereo, 8 Ω / amplifier

Video Input

VGA	1 x 15mm female VGA
HDMI	19pin female HDMI

Video Output

VGA	1 x 15mm female VGA
HDMI	19pin female HDMI

Computer Input

USB	1 x USB type B
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Computer Output

USB	1 x USB type A
USB THRU	1 x USB type A

IR Receiver Box

Infrared wavelengths	850nm
Modulation system	FM wide-band
Tone signal	32.768KHz(A.B CH)
De-emphasis	50µS
Frequency response	50Hz ~ 13KHz ± 3dB
S/N ratio	>75dB
THD	< 1.0% (at 1 KHz)
Maximum deviation	±22.5KHz
Outputs (modulation factor 22.5KHz dev., Volume: MAX)	(1) Unbalanced Mixed (1/4") output, LINE: 1V/47KΩ, MIC: 100mV/600Ω
Equaliser	5 band (100, 300, 1K, 3K, 10K)
External sensor inputs	4, RCA type
Power supply	DC 12V/1.25A
Size	215mm (W) x 190mm (D) x 44mm (H)
Weight	1.02kgs

IR Transmitter (Microphone)

Infrared wavelengths	850nm
Transmission frequency	1-CH A: 2.08MHz / 2-CH B: 2.54 MHz 3-CH B: 2.54MHz (push to talk)
Modulation	FM
Pilotone frequency	32.768KHz

IR Transmitter (Microphone) (continued)

Transmission angle	180°, conical
Microphone capsule	Condenser, unidirectional
Location of IR emitter	Built-in, top
Self volume control	HIGH / MIDDLE / LOW switch
External aux input	One 3.5mm stereo jack
Functional control switch	Aux input volume up - Thumb rotary up, Aux input volume down - Thumb rotary down, Mute on/off - Push momentary
Push to talk	Switch to 3-CH, push and hold the functional control switch to talk
Current consumption	90mA
Battery	Li polymer battery (3.7V/600mAh)
Battery life	Approximately 6-7 hours
Power LED indicator	Battery capacity: Full to low (blue -> purple -> red) Flashing red: Battery low, needs charging Green: Push to talk (on 3-CH B) Charging: Red Charging complete: Green
External power charge	Charging source is compatible from any laptop, PC, travel adaptor (DC 5V/1A) or micro-USB receptacle
Clip and lanyard	Detachable clip and adjustable neck strap with break away clip
Dimensions	19mm (thickness) x 93mm (H) x 30.6mm (W)
Weight	Approximately 39g (with battery)

What's in the box?

Audio controller / amplifier	x 1
Speaker	x 2
Ceiling Speaker	x 2
Speaker bracket - to attach to IWB	x 2
Speaker bracket - to attach to wall	x 2
Speaker cable	x 2
USB cable (A-B type)	x 1
Power cable	x 1
User manual	x 3
Power supply	x 1
Wall plug	x 4

What's in the box? (continued)

Screw to suit wall plug	x 4
Screw (black) to attach bracket to speaker	x 4
Screw to mount speaker bracket to IWB	x 4
IR-288 main receiver unit	x 1
Main receiver unit wall case	x 1
Main receiver brackets	x 4
Power supply for main receiver	x 1
Power supply for microphone charger	x 1
Infrared ceiling sensor	x 1
Infrared ceiling sensor bracket kit	x 1
Infrared sensor cable	x 1
Infrared pendant transmitter	x 1
Rechargeable batteries	x 2
Lanyard	x 1
6.5mm male to 6.5mm male audio cable	x 1
T6 diamond infrared pendant microphone	x 1
USB to micro - USB cable	x 1
Power supply for T6 microphone	x 1

How it all works

